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M nucleic - nucleic search, using sw model

run on: April 10, 2004, 21:17:19 ; Search time 1086 Seconds
(without alignments)
11005.669 Million cell updates/sec

Title: US-08-892-695-10

Perfect score: 3186

Sequence: 1 atgcaatgaaagtacagg.....ggaacactacagtgtgtaa 3186

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 2475585 seqs, 1875730760 residues

Total number of hits satisfying chosen parameters: 4951170

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

- 1: /cgn2_5/prodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_5/prodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_5/prodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_5/prodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_5/prodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_5/prodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_5/prodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_5/prodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_5/prodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_5/prodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_5/prodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_5/prodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_5/prodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_5/prodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_5/prodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_5/prodata/2/pubpna/US10_NEW_PUB.seq.*
- 17: /cgn2_5/prodata/2/pubpna/US60_NEW_PUB.seq.*
- 18: /cgn2_5/prodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query	Score	Match	Length	ID	Description
1	3183.6	99.9	3186	8	US-08-731-499-10	Sequence 10, Appl
2	3043	95.5	5632	14	US-10-177-293-505	Sequence 505, App
3	1559.6	49.0	10365	8	US-08-731-499-9	Sequence 9, Appl
4	1108.6	34.8	1507	8	US-08-731-499-3	Sequence 3, Appl
5	444.4	13.9	469	13	US-10-040-739-520	Sequence 520, App
C	401.4	12.6	530	14	US-10-029-386-9711	Sequence 9711, Ap
C	251	7.9	251	14	US-10-029-386-23411	Sequence 23411, A
8	164	5.1	267	9	US-09-783-590-9057	Sequence 9057, Ap
9	104.4	3.3	6033	12	US-10-342-887-1511	Sequence 1511, Ap
10	104.4	3.3	8156	14	US-10-074-475-93	Sequence 93, Appl
C	67.6	2.1	1014	14	US-10-029-386-20910	Sequence 20910, A
C	67.6	2.1	1229	14	US-10-029-386-20193	Sequence 20193, A
13	67.6	2.1	2765	14	US-10-037-270-61	Sequence 61, Appl
14	67.6	2.1	2765	15	US-10-117-722-61	Sequence 61, Appl
15	67.6	2.1	3039	12	US-10-342-887-1544	Sequence 1544, Ap

- Sequence 1394, Ap
- Sequence 1396, Ap
- Sequence 1396, Ap
- Sequence 1396, Ap
- Sequence 22959, A
- Sequence 835, App
- Sequence 787, App
- Sequence 790, App
- Sequence 791, App
- Sequence 15037, A
- Sequence 1335, Ap
- Sequence 1266, A
- Sequence 5364, App
- Sequence 105, App
- Sequence 117, App
- Sequence 337, App
- Sequence 20524, A
- Sequence 4, Appli
- Sequence 4, Appli
- Sequence 4, Appli
- Sequence 162, App
- Sequence 822, App
- Sequence 117, App
- Sequence 184, Ap
- Sequence 1084, Ap
- Sequence 1, Appli
- Sequence 49, Appl
- Sequence 16, Appl

ALIGNMENTS

RESULT 1

US-08-731-499-10
Sequence 10, Application US/08731499
Publication No. US20030148270A1
GENERAL INFORMATION:
APPLICANT: GRAY, Joe W.
APPLICANT: COLLINS, Colin
APPLICANT: HWANG, Soo-In
APPLICANT: GODFREY, Tony
APPLICANT: KOWBEL, David
APPLICANT: ROMMENS, Johanna
TITLE OF INVENTION: GENES FROM THE 20q13 AMPLICON AND THEIR
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/731,499
FILING DATE: 16-OCT-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/680,395
FILING DATE: 15-JUL-1996
ATTORNEY/AGENT INFORMATION:
NAME: Hunter, Tom
REGISTRATION NUMBER: 38,498
REFERENCE/DOCKET NUMBER: 23070-068910
TELECOMMUNICATION INFORMATION:

instant
publ

TELEPHONE: (415) 576-0200					
TELEFAX: (415) 576-0300					
INFORMATION FOR SEQ ID NO: 10:					
SEQUENCE CHARACTERISTICS:					
LENGTH: 3186 base pairs					
TYPE: nucleic acid					
STRANDEDNESS: single					
TOPOLOGY: linear					
MOLECULE TYPE: cDNA					
FEATURES:					
NAME/KEY: -					
LOCATION: 1..3186					
OTHER INFORMATION: /note= "ZABCl Open Reading Frame"					
US-08-731-499-10					
Query Match 99.9%; Score 3183.6; DB 8; Length 3186;					
Best Local Similarity 99.8%; Pred. No. 0;					
Matches 3180; Conservative 6; Mismatches 0; Indels 0; Gaps 0;					
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QY	61	CCAGAAGTGAATTGGCAGCTCTCTTGGCAGTCGCGATGGAGATGGAGTGCCTTGTCAAATG	120		
DB	61	CCAGAAGTGAATTGGCAGCTCTCTTGGCAGTCGCGATGGAGATGGAGTGCCTTGTCAAATG	120		
QY	121	AAAGGGACCGCTGTGTTGCCATTCGAGCTACACAAGAAAATAATGTCAATCCAATCGAG	180		
DB	121	AAAGGGACCGCTGTGTTGCCATTCGAGCTACACAAGAAAATAATGTCAATCCAATCGAG	180		
QY	181	GCGTATATGCCCTTGGATGTGATGTCATGTCGACGACAGACCTTCACACATTCAGAAGACCTT	240		
DB	181	GCGTATATGCCCTTGGATGTGATGTCGACGACAGACCTTCACACATTCAGAAGACCTT	240		
QY	241	AATAAACATGCTTAATGCAACACGGGCTACCCTCTGTGACACGACGAGTTCTTCGGGTT	300		
DB	241	AATAAACATGCTTAATGCAACACGGGCTACCCTCTGTGACACGACGAGTTCTTCGGGTT	300		
QY	301	GAAGCAGAGTATCTCAGTCCGCTTGATATAAAGTCAAGTGGGAACAGAACCTCCCAAGGAA	360		
DB	301	GAAGCAGAGTATCTCAGTCCGCTTGATATAAAGTCAAGTGGGAACAGAACCTCCCAAGGAA	360		
QY	361	AAGAATTGCAAGGAAAAATGAATTTAGCTGTGAGTATGTGGGACAGCATTTAGAGTCGCT	420		
DB	361	AAGAATTGCAAGGAAAAATGAATTTAGCTGTGAGTATGTGGGACAGCATTTAGAGTCGCT	420		
QY	421	TTTGATGTTGAGATCCACATGAGAACAACAAGATCTTTCACTACGGGTGTAAACATG	480		
DB	421	TTTGATGTTGAGATCCACATGAGAACAACAAGATCTTTCACTACGGGTGTAAACATG	480		
QY	481	TGCGGAGAGATTCAGGAGCCTTGGTTTCTTAAAAATCACATGCGGACACATATGGC	540		
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DB	601	GAGGTGCTCAGGTGCACGGCGGACAGCATCTCTCTCTTACAAAATCTCATGGTT	660		
QY	661	TGTGGCTTCTATTTCAAAATAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACAAA	720		
DB	661	TGTGGCTTCTATTTCAAAATAAGAAAGTCTAATTGAGCACCGCAAGGTGCACACAAA	720		
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Y 1921 TGTAGAACCAAGCGGATGTTACTCTCTCCGATGCGAGTACACCCCAATACCTTGAA 1980
b 1921 TGTAGAACCAAGCGGATGTTACTCTCTCCGATGCGAGTACACCCCAATACCTTGAA 1980
Y 1981 GTTAGCCCCAAGAGAGAACCAAGCGGATGCGAGTACACCCCAATACCTTGAA 2040
b 1981 GTTAGCCCCAAGAGAGAACCAAGCGGATGCGAGTACACCCCAATACCTTGAA 2040
Y 2041 GATTGTACGAAAGACCTTTAAATTTATTCGTTGGGGCTCTTCAATTCGCGCAATT 2100
b 2041 GATTGTACGAAAGACCTTTAAATTTATTCGTTGGGGCTCTTCAATTCGCGCAATT 2100
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b 2101 TCTTTGAGTAAAGTTGATTTCAAGTATCACCTCTCCATTTTGTACCTTCAAGACATT 2160
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b 2401 AAGGCGCTCTGACTTCAGGATAGACTTAGACTTTAGCCCCCAAGTAACTGAAGTCC 2460
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b 2521 ATGTTTCTAAACACAGTGTTCCTCTGACCGGATAGAGCAAAAGAGAGAGAGAGAG 2580
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b 2581 TTGAACCTCTTCCAGTACTCTCTGACCGGATAGAGCAAAAGAGAGAGAGAGAGAG 2640
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b 2641 TCCATCGACTACCCGCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2700
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b 2701 TGTAAATCGAGTGCAGCAATATGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2760
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b 2761 AAGTCCAGGCTGTTGCTTCCAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2820
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QY 3181 GTGTAA 3186
Db 3181 GTGTAA 3186

RESULT 2
US-10-177-293-505
; Sequence 505, Application US/10177293
; Publication NO. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Ganavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: East Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 505
; LENGTH: 5632
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-177-293-505

Query Match 95.5%; Score 3043; DB 14; Length 5632;
Best Local Similarity 96.0%; Pred. No. 0;
Matches 3186; Conservative 0; Mismatches 0; Indels 133; Gaps 1;
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Db 272 ATCAATCGAAGTACAG 331

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Db 512 AATAAACATGCTTAATGCAACACCGGCTACCCCTCTGTGAACAGCAGATTCCTCGGGTT 571
QY 301 GAAGCAGAGTATCTCAGTCCGCTTGATTAAGTCAAGTGGGAAACAGAACTCCCAAGGAA 360
Db 572 GAAGCAGAGTATCTCAGTCCGCTTGATTAAGTCAAGTGGGAAACAGAACTCCCAAGGAA 631
QY 361 AAGATTCGAGAGAAATGAATTAAGTGTGAGGTATGTGGGAGACATTTAGAGTGGCT 420
Db 632 AAGATTCGAGAGAAATGAATTAAGTGTGAGGTATGTGGGAGACATTTAGAGTGGCT 691
QY 421 TTTGATGTTGAGATCCACATGAGAACACACAAAGATTTCTTCACTTACGGGTGAAATG 480
Db 692 TTTGATGTTGAGATCCACATGAGAACACACAAAGATTTCTTCACTTACGGGTGAAATG 751
QY 481 TGGGAGAGAGATTCAGAGAGCTTGGTTCCTTAAGATCAGTCCGAGACACATAATGGC 540
Db 752 TGGGAGAGAGATTCAGAGAGCTTGGTTCCTTAAGATCAGTCCGAGACACATAATGGC 811
QY 541 AAATCGGGGGCAGAGAACTGACAGAAAGCTTGGAGAGTAGTCCAGCAACGATCAAC 600
Db 812 AAATCGGGGGCAGAGAACTGACAGAAAGCTTGGAGAGTAGTCCAGCAACGATCAAC 871
QY 601 GAGTGGTCCAGTGGACCGGCGAGAGACATCTCTCTCTTACAAATCTGATGGT 660
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QY 661 TGTGGCTTCTTATTTCCAAATTAAGAAAGTCTAAATGAGCACCGCAAGGTGCACACCAA 720
Db 932 TGTGGCTTCTTATTTCCAAATTAAGAAAGTCTAAATGAGCACCGCAAGGTGCACACCAA 991
QY 721 AAAATGCTTTTGGTACGAGCGGCGAGACAGATCTCCAAAGAGGAAATCGGCTCC 780
Db 992 AAAATGCTTTTGGTACGAGCGGCGAGACAGATCTCCAAAGAGGAAATCGGCTCC 1051
QY 781 TCAGAGGAGACATCTCTGAGTGTGTTCACTTGAACCAAAATCTCACCTGAAACGGG 840
Db 1052 TCAGAGGAGACATCTCTGAGTGTGTTCACTTGAACCAAAATCTCACCTGAAACGGG 1111
QY 841 AAGAGCTGTGAGTGCATTCCTCAGTTCGATTCGATTCACCTTCAGGCTTGGCAG 900
Db 1112 AAGAGCTGTGAGTGCATTCCTCAGTTCGATTCGATTCACCTTCAGGCTTGGCAG 1171
QY 901 CTGGCTACCAAGAGAAAGTTGCCATTTCCAGAGAGTGAAGAAATCGGGCAAGAGGG 960
Db 1172 CTGGCTACCAAGAGAAAGTTGCCATTTCCAGAGAGTGAAGAAATCGGGCAAGAGGG 1231
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Db 1352 GTGAGCGGATCCCAAGTTTACCCAGTAGCAGAGAGAGGAGGAGGAGGAGGAGGAGGAG 1411
QY 1141 GGCAGAGCTTTCAGAACCTACACAGAGCTGGTCTTGCATCTCAGGAGTCCAGAGAGGAG 1200

Db 1412 GGCAGAGCTTTCAGAACCTACACAGAGCTGGTCTTGCATCTCCAGGCTCCAGAGAGGAG 1471
QY 1201 CGAGAGGCGGCGGAGTGCAGCCACCATGTCTGTGGACGGGAGGAGCGCGGAGAGTGT 1260
Db 1472 CGAGAGGCGGCGGAGTGCAGCCACCATGTCTGTGGACGGGAGGAGCGCGGAGAGTGT 1531
QY 1261 TCTCTGAGCTCGCGGCGCTCTGGATGAAATGGAGCCGCTGGATCGAGGGAGAGTGGT 1320
Db 1532 TCTCTGAGCTCGCGGCGCTCTGGATGAAATGGAGCCGCTGGATCGAGGGAGAGTGGT 1591
QY 1321 TCTGAGAGCGGATCTGAGGATGGCTTCCGAGAGGATCCATCTGGATGAAATGATGAT 1380
Db 1592 TCTGAGAGCGGATCTGAGGATGGCTTCCGAGAGGATCCATCTGGATGAAATGATGAT 1651
QY 1381 GAGGAGAGAGTAAACATCTTACATCTTCAAGAGAGTGTAGTTATTGTGGAAAGTTTTC 1440
Db 1652 GAGGAGAGAGTAAACATCTTACATCTTCAAGAGAGTGTAGTTATTGTGGAAAGTTTTC 1711
QY 1441 CTTTCAATTAATACCTCAATATTCATCTCAGAACGATACAGGTGAAACCAATACAA 1500
Db 1712 CTTTCAATTAATACCTCAATATTCATCTCAGAACGATACAGGTGAAACCAATACAA 1771
QY 1501 TGTGAATTTTGTGAATGCTGAGAGCCAGAGACATCTCTGAGGTATCACTTGGAGAG 1560
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QY 1561 CATCAAGGAGAGAAACAAACCGATGTTGCTGAGTCAAGAACGATGTAATAATCAG 1620
Db 1832 CATCAAGGAGAGAAACAAACCGATGTTGCTGAGTCAAGAACGATGTAATAATCAG 1891
QY 1621 GACACTGAGAGTGCATTTAAACCGCTGACAGTGCAGAAACCAAAATTTTGAAGAGATT 1680
Db 1892 GACACTGAGAGTGCATTTAAACCGCTGACAGTGCAGAAACCAAAATTTTGAAGAGATT 1951
QY 1681 TTTGATGTCGCAAGAGTGTTCAGGAGCTCCACTGCAAGAGCTTAAAGAGAGTGCCT 1740
Db 1952 TTTGATGTCGCAAGAGTGTTCAGGAGCTCCACTGCAAGAGCTTAAAGAGAGTGCCT 2011
QY 1741 TCTGTTTTTCAAGATGTTCTGGGAGCGCTGCTCTCACCAGCACAAAGATACCTCAG 1800
Db 2012 TCTGTTTTTCAAGATGTTCTGGGAGCGCTGCTCTCACCAGCACAAAGATACCTCAG 2071
QY 1801 GATTTCCATAAAATGCAAGTGTGATGACAGTGTGATGATGATGATGATGATGATGAT 1860
Db 2072 GATTTCCATAAAATGCAAGTGTGATGACAGTGTGATGATGATGATGATGATGATGAT 2131
QY 1861 GCTTACCTGGACCTGTTTAAAGAGATCAGAGTTCAGAGTTCAGGCAATACCTCATC 1920
Db 2132 GCTTACCTGGACCTGTTTAAAGAGATCAGAGTTCAGAGTTCAGGCAATACCTCATC 2191
QY 1921 TGTAGAACCAAGGCGGATGTTACTCTCTCCGATGCGAGTACACCCATAACCTTGAA 1980
Db 2192 TGTAGAACCAAGGCGGATGTTACTCTCTCCGATGCGAGTACACCCATAACCTTGAA 2251
QY 1981 GTTAGCCCCAAGAGAGCAACCGAGACCGAGTTCAGAGTTCAGGCAATACCTTGAG 2040
Db 2252 GTTAGCCCCAAGAGAGCAACCGAGACCGAGTTCAGAGTTCAGGCAATACCTTGAG 2311
QY 2041 GATTTGTCAGAGAAACCTTTAAATTTATCTCGGGGCTCTTCAAAATTCGCGGCAATT 2100
Db 2312 GATTTGTCAGAGAAACCTTTAAATTTATCTCGGGGCTCTTCAAAATTCGCGGCAATT 2371
QY 2101 TCTTTGAGTAAAGTTTGAATCCAAAGTATCCTGTCATTTTGTACCTTCAGACATTT 2160
Db 2372 TCTTTGAGTAAAGTTTGAATCCAAAGTATCCTGTCATTTTGTACCTTCAGACATTT 2431
QY 2161 TATCCAGAGTAAAGTTTGAATGTCAGAGAGTTCAGAGTAAATCAATCTTCAGGTTTCA 2220
Db 2432 TATCCAGAGTAAAGTTTGAATGTCAGAGAGTTCAGAGTAAATCAATCTTCAGGTTTCA 2491
QY 2221 AAAAATCTGCGAAACAGTCTTGTGTTAGAGTTCAGCTGCGAGTCCCGGAGCTTG 2280

2492 AAAAACTGTCGAACAAAGTCCTTCTAGAGTCGAGTCACCGGATGCCCGCAGCGTTG 2551
2281 CTGGGAAAAGATGTGCTCCCTCTCTAGTCTTCTGTAACCCCAAGCTGCTCTTC 2340
2552 CTGGGAAAAGATGTGCTCCCTCTCTAGTCTTCTGTAACCCCAAGCTGCTCTTC 2611
2341 CCGCGCAGTCGAAATCCCTGCGATCTGCGAAGGGAAGCAGAGCCCTCTCGGCGAGC 2400
2612 CCGCGCAGTCGAAATCCCTGCGATCTGCGAAGGGAAGCAGAGCCCTCTCGGCGAGC 2671
2401 AAGCCCTCTGACTTCAGGGATAGACTCTAGCAGCTTTAGCCCCAAGTAACCTGAAGTCC 2460
2672 AAGCCCTCTGACTTCAGGGATAGACTCTAGCAGCTTTAGCCCCAAGTAACCTGAAGTCC 2731
2461 CACAGACACAGCAGAGATGTGGGGTTCAGAGGGCGCCACAGGCAACAGCAATCTGAG 2520
2732 CACAGACACAGCAGAGATGTGGGGTTCAGAGGGCGCCACAGGCAACAGCAATCTGAG 2791
2521 ATGTTTCTTAAACCACTGTTTCCCTGCAACCCGATAGAGCAAAAGACCCGAGCAAAA 2580
2792 ATGTTTCTTAAACCACTGTTTCCCTGCAACCCGATAGAGCAAAAGACCCGAGCAAAA 2851
2581 TTGAAACCTCTTCAGTAGTCTCTTCAGCCCAACCTCGGAGCAGTAACTCAATGCT 2640
2852 TTGAAACCTCTTCAGTAGTCTCTTCAGCCCAACCTCGGAGCAGTAACTCAATGCT 2911
2641 TCCATCGACTACCCCGCAAGACGACAGCCCTGGGCACTCTCGGGAAGAGACTATTTC 2700
2912 TCCATCGACTACCCCGCAAGACGACAGCCCTGGGCACTCTCGGGAAGAGACTATTTC 2971
2701 TGTAACTCGAGTGCAGCAATATCTGACAGCAAGATTTGGTAGCCCTTCCAAAAGACTG 2760
2972 TGTAACTCGAGTGCAGCAATATCTGACAGCAAGATTTGGTAGCCCTTCCAAAAGACTG 3031
2761 AAGTCCAGCGTGTGCTTCCCTGAGTTCAGCCCGGCGGCAATACAGAGAGGCTAT 2820
3032 AAGTCCAGCGTGTGCTTCCCTGAGTTCAGCCCGGCGGCAATACAGAGAGGCTAT 3091
2821 GACCTTCCCAAGTACCATATGTCAGAGGATCACATCACTGTACCGCAGGACTGTGTG 2880
3092 GACCTTCCCAAGTACCATATGTCAGAGGATCACATCACTGTGTACCGCAGGACTGTGTG 3151
2881 TATCGTGCAGGCGTCTCCCAACCAAGGTTCTGAGCTCCAGCGAGGTCGATTTCT 2940
3152 TATCGTGCAGGCGTCTCCCAACCAAGGTTCTGAGCTCCAGCGAGGTCGATTTCT 3211
2941 CCAATGTGCTGACTGTTCAGAGCCCTTGGTGGCTCCGGGCACTTTACACTTGTGTG 3000
3212 CCAATGTGCTGACTGTTCAGAGCCCTTGGTGGCTCCGGGCACTTTACACTTGTGTG 3271
3001 CTGTGCTGACTGCAGCATCCAGCTCAGCTGAG----- 3034
3272 CTGTGCTGACTGCAGCATCCAGCTCAGCTGAGAGGAAAGGCTGTGTCATACAA 3331
3035 ----- 3034
3332 CACTTATCTACAGCATGGCCAAAGAAACTATGAGAAATTTATTGGGATGCACAT 3391
3035 -----AAGGCTTGGTGG 3047
3392 TATCGACCAATATGACAAAAAACTTGATTCACATAATTAGGGGAAAAAAGCTTGGTGG 3451
3048 ATGTCAGTGTCTTCCCATGAAATTAATTTTACTTCTCTCTTGAAGAGCGAATGCT 3107
3452 ATGTCAGTGTCTTCCCATGAAATTAATTTTACTTCTCTCTTGAAGAGCGAATGCT 3511
3108 GAAAGCTACTGAAATAGCTGTGATTTGCTGTACATATAAACAATATGAGGAATCTGCAAG 3167
3512 GAAAGCTACTGAAATAGCTGTGATTTGCTGTACATATAAACAATATGAGGAATCTGCAAG 3571
3168 GAAAGCTACTGAAATAGCTGTGATTTGCTGTACATATAAACAATATGAGGAATCTGCAAG 3186
3572 GAAAGCTACTGAAATAGCTGTGATTTGCTGTACATATAAACAATATGAGGAATCTGCAAG 3590

RESULT 3

US-08-731-499-9
; Sequence 9, Application US/08731499
; Publication No. US20030148270A1
; GENERAL INFORMATION:
; APPLICANT: GRAY, Joe W.
; APPLICANT: COLLINS, Colin
; APPLICANT: HWANG, Soo-In
; APPLICANT: GODFREY, Tony
; APPLICANT: KOWBEL, David
; APPLICANT: ROWMENS, Johanna
; TITLE OF INVENTION: GENES FROM THE 20q13 AMPLICON AND THEIR
; TITLE OF INVENTION: USES
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/731,499
; FILING DATE: 16-OCT-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/680,395
; FILING DATE: 15-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunter, Tom
; REGISTRATION NUMBER: 38,498
; REFERENCE/DOCKET NUMBER: 23070-068910
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10365 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: 1..10365
; LOCATION: 1..10365
; OTHER INFORMATION: /note= "Genomic Sequence Encoding
; OTHER INFORMATION: ZABC1"
US-08-731-499-9

Query Match 49.0%; Score 1559.6; DB 8; Length 10365;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1565; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
QY 1482 AGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGAGCCCAAGACATCTCT 1541
DB 8286 AGGTGAAAAACCATACAAATGTGAATTTTGTGAATATGCTGAGCCCAAGACATCTCT 8345
QY 1542 GAGGTATCACTTGGAGAGACATCACAGGAAACAAACCGATGTTGCTGGAAGTCAA 1601
DB 8346 GAGGTATCACTTGGAGAGACATCACAGGAAACAAACCGATGTTGCTGGAAGTCAA 8405
QY 1602 GAACGATGTTAAAAATCAGGACACTGAAGATGCACTATTAAACCGCTGACAGTGGCGCAAC 1661
DB 8406 GAACGATGTTAAAAATCAGGACACTGAAGATGCACTATTAAACCGCTGACAGTGGCGCAAC 8465
QY 1662 CAATAATTTGAAAAAGATTTTGTGATGTCGCAAGATGTTACAGGAGTCCACCTGCAAA 1721

OTHER INFORMATION: /note= "cDNA clone cc49 of 6-7kb
OTHER INFORMATION: transcript with homology to C2H2 zinc
OTHER INFORMATION: finger genes"
31-4399-3

Query Match	34.8%;	Score 1108.6;	DB 8;	Length 1507;
Best Local Similarity	97.1%;	Prod. No. 0;		
Matches 1156;	Conservative	3; Mismatches	28; Indels	3; Gaps
1	ATGCAATCGAAAGTGACAGAAACATGCCAATCAATCCCTCTTAATGTATCATGTGATGGG	60		
320	ATGCAATCGAAAGTGACAGAAACATGCCAATCAATCCCTCTTAATGTATCATGTGATGG	378		
61	CCAGAAGTGANTGGCAGCTCTCTTGGCAGTCGATGGAGATGGAGGATGCCTTGTCAATG	120		
379	CCAAGAGTGATTTGGCAGCTCTCTTCCAGTCGATGGAGATGGGA-GATGCTTGTCAATG	437		
121	AAAGGAGCCGCTGTGTTCATTCGAGCTACACAAGAAAAAATGTC-ATCCAAATCGA	179		
438	AAAGGCCCNCTGTTGCTAATTCGAGCTACACAAGAAAAAATGTCATTCGAAATCGA	497		
180	GGGATATGCCCTTGGATGTGATGTTCTGCGACGAGACCTTCACATTCAGAGACCT	239		
498	GGGAAATATGCCCTTGGATGTGATGTTCTGCGACGAGACCTTCACATTCAGAGACCT	557		
240	TAATAAACATGTCTTAATGCAACACCGGCTACCCCTCTGTGAACGACGAGTCTTCGGGT	299		
558	TAATAAACATGTCTTAATGCAACACCGGCTACCCCTCTGTGAACGACGAGTCTTCGGGT	617		
300	TGAAGCAGATATCTCAGTCCGCTTGATATAAAGTCAAGTGGACAGACAGACCTCCGAGGA	359		
618	TGAAGCAGATATCTCAGTCCGCTTGATATAAAGTCAAGTGGACAGACAGACCTCCGAGGA	677		
360	AAAGAAATGCAAGGAAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGC	419		
678	AAAGAAATGCAAGGAAAAATGAATTTAGCTGTGAGGTATGTGGGCAGACATTTAGAGTCGC	737		
420	TTTTGATGTTGAGATCCCATGAGAACACACAAGATTTCTTCTTACCGGTGTACAT	479		
738	TTTTGATGTTGAGATCCCATGAGAACACACAAGATTTCTTCTTACCGGTGTACAT	797		
480	GTGCGGAAGAAGATTCAAGAGACCTTGGTTCCTTAAAAATCACATGCGGACACATAATGG	539		
798	GTGCGGAAGAAGATTCAAGAGACCTTGGTTCCTTAAAAATCACATGCGGACACATAATGG	857		
540	CAATTCGGGGGCCAAGACGAACTGCAGCAAGGCTTGGAGATGATCCAGCAACGATCAA	599		
858	CAATTCGGGGGCCAAGACGAACTGCAGCAAGGCTTGGAGATGATCCAGCAACGATCAA	917		
600	CGAGTGTCTCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTACAAAAATCTCATGGT	659		
918	CGAGTGTCTCAGGTGCACGCGGCCGAGAGCATCTCCTCTCCTTACAAAAATCTCATGGT	977		
660	TTGTGGCTTCCTATTTCCAAATAAAGAAAGTCTTAATGGACACCGCAAGTGACACAA	719		
978	TTGTGGCTTCCTATTTCCAAATAAAGAAAGTCTTAATGGACACCGCAAGTGACACAA	1037		
720	AAAAACTGCTTTTCGGTACCAGCAGCGCAGACAGACTCTCCACAAGGAGAAATGCCGTC	779		
1038	AAAAACTGCTTTTCGGTACCAGCAGCGCAGACAGACTCTCCACAAGGAGAAATGCCGTC	1097		
780	CTCGAGGGAGACTTCCTGAGTGTTCACCTTGAGACCAAAATCTCACCTCTGAAACGGG	839		
1098	CTCGAGGGAGACTTCCTGAGTGTTCACCTTGAGACCAAAATCTCACCTCTGAAACGGG	1157		
840	GAAGAAGCCTGTCAATGCATCCCTCAGTCGATTCGGTTCAACAACCTTCAGGCTTGCCA	899		
1158	GAAGAAGCCTGTCAATGCATCCCTCAGTCGATTCGGTTCAACAACCTTCAGGCTTGCCA	1217		
900	GCTGCTCTACCAAGGAAAGTTGTCATTTGCCAAGAGTGAAGGAATCGGGCAAGAGG	959		
1218	KTGTGCTACCAAGGAAAGTTGTCATTTGCCAAGAGTGAAGGAATCGGGCAAGAGG	1277		

960	QY	GAGCACCGAACACGACGATTCCGAGTTCCGAGAGGAGCTTGGAGAAACAAATAGGGCAG	1019
1278	Db	GAGCACCGAACACGACGATTCCGAGTTCCGAGAGGAGCTTGGAGAAACAAATAGAAACCA	1337
1020	QY	TTGTGAGGGCTCTCCGACAGAGAAAGAGAGTGCAAAACACTCCCGCGGAAGCGCCCTC	1079
1338	Db	TTGTGAGGGCTCTCCGACAGAGAAAGAGAGTGCAAAACACTCCCGCGGAAGCGCCCTC	1397
1080	QY	CGTGGACGCGGATCCCAAGATTACCCAGTAGCAAGGAGAGCCCACTCACTCTCCGAGTG	1139
1398	Db	CGTGGACGCGGATCCCAAGATTACCCAGTAGCAAGGAGAGCCCACTCACTCTCCGAGTG	1457
1140	QY	CGGCAAGCTTTGAGAACTACCAACAGCTGGTCTTGCACTCCAGGTCC	1189
1458	Db	CGGCAAGCTTTGAGAACTACCAACAGCTGGTCTTGCACTCCAGGTCC	1507

RESULT 5
 US-10-040-739-520
 ; Sequence 520, Application US/10040739
 ; Publication No. US20020173635A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Jacobs, Kenneth
 ; McCoy, John
 ; LaValle, Edward
 ; Racie, Lisa
 ; Merberg, David
 ; Treacy, Maurice
 ; Spaulding, Vikki
 ; TITLE OF INVENTION: SECRETED, EXPRESSED SEQUENCE TAGS
 ; NUMBER OF SEQUENCES: 1519
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genetics Institute, Inc.
 ; STREET: 87 Cambridgepark Drive
 ; CITY: Cambridge
 ; STATE: Massachusetts
 ; COUNTRY: U.S.A
 ; ZIP: 02140
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy Disk
 ; COMPUTER: IBM PC Compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/040,739
 ; FILING DATE: 07-Jan-2002
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 09/036,520
 ; FILING DATE: 03-JUN-1998
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brown, Scott A.
 ; REGISTRATION NUMBER: 32,724
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 498-8224
 ; TELEFAX: (617) 876-5851
 ; INFORMATION FOR SEQ ID NO: 520:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 469 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 520:
 ; US-10-040-739-520

	Query Match	Best Local Similarity	Matches	Score	Pred. No.	DB	Length
	13.9%	99.8%	445	444.4	4.1e-123	13	469
			Conservative			Indels	Gaps
						0	0
Qy	1032	CTCGCAAGAGAAAGAGTCCAAACACTCCACGGCGAAGCGCCCTCCGTGGA	CGCGGA	1091			
nb	19	CTAGCAAGAGAAAGAGTCCAAACACTCCACGGCGAAGCGCCCTCCGTGGA	CGCGGA	78			

QY 1092 TCCCAAGTTACCCAGTAGCAAGAGAGCCCACTCACTGCTCCGAGTCCGCGAAAGCTTT 1151
Db 79 TCCCAAGTTACCCAGTAGCAAGAGAGCCCACTCACTGCTCCGAGTCCGCGAAAGCTTT 138
QY 1152 CAGAACCTACCAACAGCTGGTCTTGCATCCCAAGGTCCCAAGAGAGAGCCGAGGCGG 1211
Db 139 CAGAACCTACCAACAGCTGGTCTTGCATCCCAAGGTCCCAAGAGAGAGCCGAGGCGG 198
QY 1212 CGCGGAGTCCGCCACCATGCTGTGAGCGGAGGAGCCGCGGACGCTGTTCTCTGACCT 1271
Db 199 CGCGGAGTCCGCCACCATGCTGTGAGCGGAGGAGCCGCGGACGCTGTTCTCTGACCT 258
QY 1272 CGCGGCGCTCTGGATGAAATGAGAGCGGTGATCGAGGAGAGGTGTTCTGAAGACGG 1331
Db 259 CGCGGCGCTCTGGATGAAATGAGAGCGGTGATCGAGGAGAGGTGTTCTGAAGACGG 318
QY 1332 ATCTGAGGATGGCTTCCGAGAGGAATCATCTGATGATAAATGATGAGGAGAAAT 1391
Db 319 ATCTGAGGATGGCTTCCGAGAGGAATCATCTGATGATAAATGATGAGGAGAAAT 378
QY 1392 AAAACATCTACATCTCAAGAGAGTAGTATTGTTGGAAGATTTTCCGTTCAAAATTA 1451
Db 379 AAAACATCTACATCTCAAGAGAGTAGTATTGTTGGAAGATTTTCCGTTCAAAATTA 438
QY 1452 TTACCTCAATATTCATCTCAGAACGC 1477
Db 439 TTACCTCAATATTCATCTCAGAACGC 464

RESULT 6
US-10-029-386-9711/c
; Sequence 9711, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEWICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9711
; LENGTH: 530
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR20.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.96
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.73
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.94
; OTHER INFORMATION: SWISSPROT HIT: O75362, EVALUE 2.00e-67
; OTHER INFORMATION: NT HIT: G11421959, EVALUE 0.00e+00
; OTHER INFORMATION: EST_HUMAN HIT: BF237807.1, EVALUE 0.00e+00
US-10-029-386-9711

Query Match 12.6%; Score 401.4; DB 14; Length 530;
Best Local Similarity 99.8%; Pred. No. 4.5e-110;
Matches 402; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 968 ACAACGACGATTCAGTTCGAGAGAGAGCTTGGAGAAACAAATTAAGGCGAGTTGTGCG 1027
Db 530 ACAACGACGATTCAGTTCGAGAGAGAGCTTGGAGAAACAAATTAAGGCGAGTTGTGCG 471
QY 1028 GCCTCTCGAAGAGAGAGAGTCAAACTCCACGCGGAGCGCTCCGTTGACG 1087
Db 470 GCCTCTCGAAGAGAGAGTCAAACTCCACGCGGAGCGCTCCGTTGACG 411

QY 1088 CGGATCCCAAGTTACCCAGTAGCAAGAGAGCCCACTCACTGCTCCGAGTCCGCGAAAG 1147
Db 410 CGGATCCCAAGTTACCCAGTAGCAAGAGAGCCCACTCACTGCTCCGAGTCCGCGAAAG 351
QY 1148 CTTTCAGAACCTACCAACAGCTGGTCTTGCATCCCAAGGTCCCAAGAGAGAGCCGAGG 1207
Db 350 CTTTCAGAACCTACCAACAGCTGGTCTTGCATCCCAAGGTCCCAAGAGAGAGCCGAGG 291
QY 1208 CGCGGCGGAGTCCGCCACCATGCTGTGAGCGGAGGAGCCGCGGACGCTGTTCTCTG 1267
Db 290 CGCGGCGGAGTCCGCCACCATGCTGTGAGCGGAGGAGCCGCGGACGCTGTTCTCTG 231
QY 1268 ACCTGCGCGCTCTGGATGAAATGAGAGCGGTGATCGAGGAGAGGTGTTCTGAAG 1327
Db 230 ACCTGCGCGCTCTGGATGAAATGAGAGCGGTGATCGAGGAGAGGTGTTCTGAAG 171
QY 1328 ACGGATCTGAGGATGGCTTCCCGAAGGAATCCATCTGGATAA 1370
Db 170 ACGGATCTGAGGATGGCTTCCCGAAGGAATCCATCTGGATAA 128

RESULT 7
US-10-029-386-23411/c
; Sequence 23411, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEWICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 23411
; LENGTH: 251
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR20.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.96
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.73
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.94
; OTHER INFORMATION: EST_HUMAN HIT: W05407.1, EVALUE 1.00e-117
; OTHER INFORMATION: NT HIT: G11421959, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: O75362, EVALUE 1.00e-38
US-10-029-386-23411

Query Match 7.9%; Score 251; DB 14; Length 251;
Best Local Similarity 100.0%; Pred. No. 7.8e-65;
Matches 251; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1093 CCCAAGTTACCCAGTAGCAAGAGAGCCCACTCACTGCTCCGAGTCCGCGAAAGCTTT 1152
Db 251 CCCAAGTTACCCAGTAGCAAGAGAGCCCACTCACTGCTCCGAGTCCGCGAAAGCTTT 192

QY 1153 AGAACCTACCAACAGCTGGTCTTGACATCCAGGTCACCAAGAGAGCCGAGGCGCGC 1212
Db 191 AGAACCTACCAACAGCTGGTCTTGACATCCAGGTCACCAAGAGAGCCGAGGCGCGC 132
QY 1213 GCGGAGTCCGCCACCATGCTGTGAGCGGAGGAGCCGCGGACGTGTTCTCTGACCTC 1272
Db 131 GCGGAGTCCGCCACCATGCTGTGAGCGGAGGAGCCGCGGACGTGTTCTCTGACCTC 72
QY 1273 GCGGCGCTCTGATGAAATGAGAGCGCTGATCGAGGAGAGGTGTTCTGAAGACGGA 1332
Db 71 GCGGCGCTCTGATGAAATGAGAGCGCTGATCGAGGAGAGGTGTTCTGAAGACGGA 12

Y 1333 TCTGAGGATGG 1343
b 11 TCTGAGGATGG 1

RESULT 8
S-09-783-590-9057
Sequence 9057, Application US/09783590
Patent No. US20020110850A1
GENERAL INFORMATION:
APPLICANT: Dillon, Patrick J.
APPLICANT: Haseltine, William A.
APPLICANT: Li, Haodong
APPLICANT: Rosen, Craig A.
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Human Genes, Sequences, and Expression Products 15.2
FILE REFERENCE: PO-16-2C1
CURRENT APPLICATION NUMBER: US/09/783,590
CURRENT FILING DATE: 2000-02-15
PRIOR APPLICATION NUMBER: 08/420,856
PRIOR FILING DATE: 1995-04-12
PRIOR APPLICATION NUMBER: 08/346,731
PRIOR FILING DATE: 1994-11-21
NUMBER OF SEQ ID NOS: 12485
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 9057
LENGTH: 267
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (12)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (65)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (75)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (103)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (108)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (113)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (193)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (204)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: misc feature
LOCATION: (212)
OTHER INFORMATION: n equals a,t,g, or c

Db 77 GGAAGCAGAGCCCTCTCTGGCCAGNAGNCCCTNTGAACTTCAGGGAATAGACTCTA 136
Qy 2432 GCACTTTAGCCCCCAAGT-AACTTGAAGTCCCAAGACCAAGCAGAGATGTGGGGTCCAA 2490
Db 137 GCACTTTAGCCCCCAAGTAAACCTGAAGTCCCAAGACCAAGCAGAGATGTGGGGTCCAA 196
Qy 2491 GGGGCGCCGACACAGGCAACAGCAATCTG-AGATGTTTCTTAAACCCAGTGTTCCTCCCTGC 2549
Db 197 GGGGCGGNCACAGGNAACAGCAATTTGAGATGTTTCTTAAACCCAGTGTTCCTCCCTGC 256
Qy 2550 ACCGGATAAG 2559
Db 257 AACGGGTAG 266

RESULT 9
US-10-342-887-1511
Sequence 1511, Application US/10342887
Publication No. US20040058340A1
GENERAL INFORMATION:
APPLICANT: Dai, Hongyue
APPLICANT: He, Yudong
APPLICANT: Linsley, Peter S.
APPLICANT: Mao, Mao
APPLICANT: Roberts, Christopher J.
APPLICANT: Van 't Veer, Laura Johanna
APPLICANT: Van de Vijver, Marc J.
APPLICANT: Bernards, Rene
TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
FILE REFERENCE: 9301-188-999
CURRENT APPLICATION NUMBER: US/10/342,887
CURRENT FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: 60/298,918
PRIOR FILING DATE: 2001-06-18
PRIOR APPLICATION NUMBER: 60/380,710
PRIOR FILING DATE: 2002-05-14
PRIOR APPLICATION NUMBER: 10/172,118
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 2699
SEQ ID NO 1511
LENGTH: 6033
TYPE: DNA
ORGANISM: Homo sapiens
US-10-342-887-1511

Query Match 3.3%; Score 104.4; DB 12; Length 6033;
Best Local Similarity 53.3%; Pred. No. 1.6e-19;
Matches 294; Conservative 0; Mismatches 246; Indels 12; Gaps 3;
Qy 379 GAATTTAGCTGTGAGGTATGTGGCAGACATTTAGAGTCGCTTTTGTGATGATCCAC 438
Db 1057 GAGTTCCTCGTGGAGGTGTGTGGCCAGCCCTTCAGCCAGACCTGGTTCCTGAAGGCGCAC 1116
Qy 439 ATGAGAACACACAAAGATTTCTTCACTTACGGGTGTAAACATGTGCGGAAGAAAGATTCAAG 498
Db 1117 ATGAGAACACACCGGGGCTCCTTCGACCACGGCTGCCACATCTCGCGCCGTAGTTCAAG 1176
Qy 499 GAGCCTTGTTTCTTAAATACATGCGGACATATGGCAATCGGGGCCAGAGC 558
Db 1177 GAGCCTTGTTTCTTCAAGAACCATGAAAGCGCACGCGCCGCCAGAGCGGCGCAGCAAGAC 1236
Qy 559 AAACCTGCAGAGGCTTGGAGAGTAGTCCAGCAACGATCAACAGAGGTGCTCCAGGTGCAC 618
Db 1237 AGGCCCAAGAGTGAGTGGAGCCCA---TCGCCACCATCAACACGTGTTCAGGAGGAG 1293
Qy 619 GCGGCCGAGAGCATCTCCTTCTTACAAATCTGCATGTTTGTGCTTCTTATTCCA 678
Db 1294 GTGATCGTCGCGGCTGAGGCTCTAGAGGTCTGCGCCCAAGTGGGGAACCTGTATTACA 1353
Qy 679 AATAAGAAAGTCTAATTTAGCAGCGCAAGGTGCACACCAAAAAAACTGCTTTCGGTACC 738
Db 1354 AACCTGGACAGTTTGAACGCCCAATGTCATCCACCGCAGAGTCGAGGC---CAGCCGC 1410

Query Match 5.1%; Score 164; DB 9; Length 267;
Best Local Similarity 90.4%; Pred. No. 1.7e-38;
Matches 256; Conservative 0; Mismatches 18; Indels 6; Gaps 5;
Qy 2315 GTAACCCAGCCCAAGTCTCTTCCGCGGCGAGTCCAAATCCCTGCGCATCTGCGAAGG 2374
Db 18 GTAACCCAGCCCAAGTCTCTTCCGCGGCGCA-TCCAAATCCCTGCGCATCTGCGAAG 76
Qy 2375 GG-AAAGCAGAGCCCTCTCTGGGCCAGGCAAGGCCCTCTGA--CTTCAGGCGATAGACTCTA 2431

QY 739 AGCAGCGCGCAGACAGACTCTCCACAAGAGGAATGCGGTCTCTCGAGGAGGACTTCTCTG 798
Db 1411 ACGCCGCCCGCGCGAGGAGGCGGCGGAGGCGGCGCTCGGACACCAAGCAGTCTTCTCTC 1470
QY 799 CAGTTGTTCAACTTGAGACCAAAATCTACCTGAAAGC-----GGGAAGACCTGTC 852
Db 1471 CAGTGCCTGAACCTGAGGCGGTGCGGCGCGCGGAGCTGTCGCTTGGCAGCAGCGCGGA 1530
QY 853 AGATGATCCCTCAGCTCGATCGATCGGTTTCAACACCTTCCAGGCTTGGCAGCTGGCTACCAAA 912
Db 1531 CGCGGGTGGCTGAGCTGGACCGGCTCAACAGCTACAGGCTGGCAGCTGGCAGCGG 1590
QY 913 GGAAAAGTTGCC 924
Db 1591 GGTAAGGTGGCC 1602

RESULT 10

US-10-074-475-93
; Sequence 93, Application US/10074475
; Publication No. US20030092898A1
; GENERAL INFORMATION:
; APPLICANT: Salceda, Susana
; APPLICANT: Macina, Roberto
; APPLICANT: Hu, Ping
; APPLICANT: Recipon, Herve
; APPLICANT: Kariz, Kalpana
; APPLICANT: Caiferkey, Robert
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific
; FILE REFERENCE: DEX-0313
; CURRENT APPLICATION NUMBER: US/10/074,475
; PRIOR FILING DATE: 2002-02-13
; PRIOR FILING DATE: 60/268,292
; NUMBER OF SEQ ID NOS: 295
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 93
; LENGTH: 8156
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-074-475-93

Query Match 3.3%; Score 104.4; DB 14; Length 8156;
Best Local Similarity 53.3%; Pred. No. 2e-19;
Matches 294; Conservative 0; Mismatches 246; Indels 12; Gaps 3;
QY 379 GAATTAGCTGTGAGTATGTGGCGAGACATTTAGAGTCGCTTTTGTGTTGAGATCCAC 438
Db 1057 GAGTTCCTCGTGGAGGTGTGTGCCAGGCTTCAGCCAGACCTGTTCTCTGAAGCGCAC 1116
QY 439 ATGAGAACACACAAAGATCTTTCACTTACGGGTGTAAACATGTGCGGAAGAAGATTCAAG 498
Db 1117 ATGAGAAGACCGGGGCTCTTTGACACGCTGCCACATCTGCGGCGGTAGTTCAG 1176
QY 499 GAGCCTTGTTCTTAAAAATCACATGCGGACACATAATGGCAATCGGGGCCAGAGC 558
Db 1177 GAGCCTTGTTCTTCAAGAACACATGAAGGCGCACGGGCCCAAGACGCGCAGCAAGAC 1236
QY 559 AACTGCGACGAGCTTGAGAGTACTCAGCAACATCAGACAGGTGCTCCAGTGCCAC 618
Db 1237 AGCCCAAGAGTGAAGTGAACCCCA---TCGCCACCATCAACAGCTGCTCCAGGAGAG 1293
QY 619 GCGGCGGAGAGCATCTCTCTCTTACAAAATCTGCATGTTTGTGGCTTCTCTATTTCGA 678
Db 1294 GTGATCGTCGCGGCTGAGCTCTACGAGGTCTGCGCAAGTGGCGGAACCTGTTTACA 1353
QY 679 AATAAAGAGTCTAATTGAGCAGCGAGGTGACACCAAAAACCTGCTTCGTTACC 738
Db 1354 AACCTGAGAGTGTGAACCCCAATGCCATCCACCGCAGAGTCGAGGC---CAGCGC 1410

QY 739 AGCAGCGCGCAGACAGACTCTCCACAAGAGGAATGCGGTCTCTCGAGGAGGACTTCTCTG 798
Db 1411 ACGCCGCCCGCGCGAGGAGGCGGCGGAGGCGGCGCTCGGACACCAAGCAGTCTTCTCTC 1470
QY 799 CAGTTGTTCAACTTGAGACCAAAATCTACCTGAAAGC-----GGGAAGACCTGTC 852
Db 1471 CAGTGCCTGAACCTGAGGCGGTGCGGCGCGCGGAGCTGTCGCTTGGCAGCAGCGCGGA 1530
QY 853 AGATGATCCCTCAGCTCGATCGATCGGTTTCAACACCTTCCAGGCTTGGCAGCTGGCTACCAAA 912
Db 1531 CGCGGGTGGCTGAGCTGGACCGGCTCAACAGCTACAGGCTGGCAGCTGGCAGCGG 1590
QY 913 GGAAAAGTTGCC 924
Db 1591 GGTAAGGTGGCC 1602

RESULT 11

US-10-029-386-20910/c
; Sequence 20910, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 20910
; LENGTH: 1014
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL157687.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.4
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.6
; OTHER INFORMATION: NT HIT: g114751677, EVALUE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: Q9P2Y4, EVALUE 1.00e-93
; OTHER INFORMATION: EST_HUMAN HIT: AW024256.1, EVALUE 0.00e+00
US-10-029-386-20910

Query Match 2.1%; Score 67.6; DB 14; Length 1014;
Best Local Similarity 62.4%; Pred. No. 6e-09;
Matches 106; Conservative 0; Mismatches 64; Indels 0; Gaps 0;
QY 379 GAATTAGCTGTGAGTATGTGGCGAGACATTTAGAGTCGCTTTTGTGTTGAGATCCAC 438
Db 624 GAGTTCCTCGTGGAGGTGTGTGCCAGGCTTCAGCCAGACCTGTTCTCTGAAGCGCAC 565
QY 439 ATGAGAACACACAAAGATCTTTCACTTACGGGTGTAAACATGTGCGGAAGAAGATTCAAG 498
Db 564 ATGCGTAAGCACAGGCGCTCTCTCGATCATCGGTGTCCGGTGTGCGGCGGCTGCTTCAAG 505
QY 499 GAGCCTTGTTCTTAAAAATCACATGCGGACACATAATGGCAATCGGG 548
Db 504 GAGCCTTGTTCTTAAAAATCACATGCGGACACATAATGGCAATCGGG 455

RESULT 12

US-10-029-386-20193/c
; Sequence 20193, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
FILE REFERENCE: AEOMICA-X-2
CURRENT APPLICATION NUMBER: US/10/029,386
CURRENT FILING DATE: 2001-12-20
NUMBER OF SEQ ID NOS: 34288
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
SEQ ID NO 20193
LENGTH: 1229
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO ALL161668.1
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 5
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.7
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.8
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.7
OTHER INFORMATION: EST HUMAN HIT: AW024296.1, EVALUATE 0.00e+00
OTHER INFORMATION: SWISSPROT HIT: Q9P2Y4, EVALUATE 1.00e-114
OTHER INFORMATION: NT HIT: g114751677, EVALUATE 0.00e+00
S-10-029-386-20193

Query Match 2.1%; Score 67.6; DB 14; Length 1229;
Best Local Similarity 62.4%; Pred. No. 6.9e-09;
Matches 106; Conservative 0; Mismatches 64; Indels 0; Gaps 0;

Y 379 GAATTAGCTGTGAGTATGTGGGAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
b 624 GAGTTCGGTGCCTTAAAGTGTGGGAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 565
Y 439 ATGAGAACACACAAAGATTTCTTACCTTACGGGTGTAAACATGTGCGGAGAGATTTCAAG 498
b 564 ATGCGTAAGCACAGGCTCTTTCGATCATGCGTGTGCGGCGGCTGCTTCAAG 505
Y 499 GAGCCTTGTTCTTAAATAACATGCGGAGACATTAATGCGCAATCGG 548
b 504 GAGCCTTGTTCTTAAATAACATGCGGAGACATTAATGCGCAATCGG 455

RESULT 13
S-10-037-270-61
Sequence 61, Application US/10037270
Publication No. US20030104529A1
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyang
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yungqing
APPLICANT: Wang, Zhiwei
APPLICANT: Wang, Jian-Rui
APPLICANT: Tillinghast, John
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. US20030104529A1el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/10/037,270
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21

us-08-892-695-10.rnpp

NUMBER OF SEQ ID NOS: 1104
SOFTWARE: pt_FL_genes Version 1.0
SEQ ID NO 61
LENGTH: 2765
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (123)..(2291)
US-10-037-270-61

Query Match 2.1%; Score 67.6; DB 14; Length 2765;
Best Local Similarity 62.4%; Pred. No. 1.2e-08;
Matches 106; Conservative 0; Mismatches 64; Indels 0; Gaps 0;

QY 379 GAATTAGCTGTGAGTATGTGGGAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
Db 939 GAGTTCGGTGCCTTAAAGTGTGGGAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 998
QY 439 ATGAGAACACACAAAGATTTCTTACCTTACGGGTGTAAACATGTGCGGAGAGATTTCAAG 498
Db 999 ATGCGTAAGCACAGGCTCTTTCGATCATGCGTGTGCGGCGGCTGCTTCAAG 1058
QY 499 GAGCCTTGTTCTTAAATAACATGCGGAGACATTAATGCGCAATCGG 548
Db 1059 GAGCCTTGTTCTTAAATAACATGCGGAGACATTAATGCGCAATCGG 1108

RESULT 14
US-10-117-722-61
Sequence 61, Application US/10117722
Publication No. US20030219744A1
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. US20030219744A1el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/10/117,722
CURRENT FILING DATE: 2002-04-04
PRIOR APPLICATION NUMBER: 09/620,312
PRIOR FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1104
SOFTWARE: pt_FL_genes Version 1.0
SEQ ID NO 61
LENGTH: 2765
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (123)..(2291)
US-10-117-722-61

Query Match 2.1%; Score 67.6; DB 15; Length 2765;
Best Local Similarity 62.4%; Pred. No. 1.2e-08;
Matches 106; Conservative 0; Mismatches 64; Indels 0; Gaps 0;

QY 379 GAATTAGCTGTGAGTATGTGGGAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 438
Db 939 GAGTTCGGTGCCTTAAAGTGTGGGAGACATTTAGAGTCGCTTTTGATGTTGAGATCCAC 998
QY 439 ATGAGAACACACAAAGATTTCTTACCTTACGGGTGTAAACATGTGCGGAGAGATTTCAAG 498
Db 999 ATGCGTAAGCACAGGCTCTTTCGATCATGCGTGTGCGGCGGCTGCTTCAAG 1058
QY 499 GAGCCTTGTTCTTAAATAACATGCGGAGACATTAATGCGCAATCGG 548

Db 1059 GAGCCCTGGTTCCTTAAGAACACATGAAGGTGCAGCCCAAGCTGGG 1108

RESULT 15

US-10-342-887-1644
; Sequence 1644, Application US/10342887
; Publication No. US20040058340A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Hongyue
; APPLICANT: He, Yudong
; APPLICANT: Linsley, Peter S.
; APPLICANT: Mao, Mao
; APPLICANT: Roberts, Christopher J.
; APPLICANT: Van 't Veer, Laura Johanna
; APPLICANT: Van de Vijver, Marc J.
; APPLICANT: Bernards, Rene
; TITLE OF INVENTION: Diagnosis and Prognosis of Breast Cancer Patients
; FILE REFERENCE: 9301-188-999
; CURRENT APPLICATION NUMBER: US/10/342,887
; CURRENT FILING DATE: 2003-01-15
; PRIOR APPLICATION NUMBER: 60/298,918
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: 60/380,710
; PRIOR FILING DATE: 2002-05-14
; PRIOR APPLICATION NUMBER: 10/172,118
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 2699
; SEQ ID NO 1644
; LENGTH: 3039
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-342-887-1644

Query Match 2.1%; Score 67.6; DB 12; Length 3039;
Best Local Similarity 62.4%; Pred. No. 1.3e-08;
Matches 106; Conservative 0; Mismatches 54; Indels 0; Gaps 0;
QY 379 GAATTTAGCTGTGAGGTATGTGGGACACATTTAGAGTCGCTTTTGATGTTGATCCAC 438
Db 1228 GAGTTCGCTGCCAAGTGTGCGGCAGAGCTTTACACAGTCTTGGTTTCTCAAGGGCCAC 1287
QY 439 ATGAGACACACAAGATTCTTTCACTTACGGGTGTAACATGTGCGGAGAGATTCAAG 498
Db 1288 ATGCGTAGCACAGGCTCTCTCGATCATGCGTGTCGGTGTCGGCCGCTGCTTCAAG 1347
QY 499 GAGCCTTGGTTCTTAAATATCATCGGACACATAATGCGAAATCGGG 548
Db 1348 GAGCCCTGGTTCCTTAAGAACACATGAAGGTGCAGCCCAAGCTGGG 1397

Search completed: April 11, 2004, 00:42:40
Job time : 1092 secs

Y 1535 CATCTCTGAGGTATCACTTGGAGAGACATCAACAAGGAAAAAC 1576
|||
b 137 CAATCTTGTTCACATCAGAGGATTCATCTACTGGAGAAAAAC 178

RESULT 10

S-09-620-312D-1023

Sequence 1023, Application US/09620312D

Patent No. 6569662

GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom

APPLICANT: Liu, Chenghua

APPLICANT: Asundi, Vinod

APPLICANT: Zhang, Jie

APPLICANT: Ren, Feiyan

APPLICANT: Chen, Rui-hong

APPLICANT: Zhao, Qing A.

APPLICANT: Wehrman, Tom

APPLICANT: Xue, Aigong J.

APPLICANT: Yang, Yonghong

APPLICANT: Wang, Jian-Rui

APPLICANT: Zhou, Ping

APPLICANT: Ma, Yunging

APPLICANT: Wang, Dunrui

APPLICANT: Wang, Zhiwei

APPLICANT: John Tillinghast

APPLICANT: Drmanac, Radoje T.

TITLE OF INVENTION: No. 6569662el Nucleic Acids and

FILE REFERENCE: 784CIP2B

CURRENT APPLICATION NUMBER: US/09/620,312D

CURRENT FILING DATE: 2000-07-19

PRIOR FILING DATE: 2000-04-25

PRIOR APPLICATION NUMBER: 09/488,725

PRIOR FILING DATE: 2000-01-21

NUMBER OF SEQ ID NOS: 1105

SOFTWARE: pt_FL_genes Version 1.0

SEQ ID NO 1023

LENGTH: 2412

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (158)...(544)

S-09-620-312D-1023

Query Match 1.7%; Score 53; DB 4; Length 2412;

Best Local Similarity 57.6%; Pred. No. 3.4e-05;

Matches 95; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

Y 1414 GAGTGTAGTTATTGTGGAAAGTTTTTCGGTTCAAATTATTACCTCAATATTCATCTCAGA 1473

b 1413 GAATGTAGTGAATGTGGGAAGCCTTTAGCACAAAGCAAGAGCTCATTTGTCATCAAGG 1472

Y 1474 AGCATACAGTGAAAAACCATCAAAATGTGAATTTGTGAATATGCTGCAGCCCAAG 1533

b 1473 ACTCATACAGAGAGACACCTATGCTGTAAACGAGTGGGAAAGCGTTTTCGTTATATG 1532

Y 1534 ACATCTCTGAGGTATCACTTGGAGAGACATCAACAAGGAAAAACAA 1578

b 1533 TCGTGTCTGTTAAGCAATAAGAGATACACAAAGGGAGAAACAA 1577

RESULT 11

S-09-620-312D-13

Sequence 13, Application US/09620312D

Patent No. 6569662

GENERAL INFORMATION:

APPLICANT: Tang, Y. Tom

APPLICANT: Liu, Chenghua

APPLICANT: Asundi, Vinod

APPLICANT: Asundi, Vinod

APPLICANT: Asundi, Vinod

APPLICANT: Asundi, Vinod

APPLICANT: Asundi, Vinod

APPLICANT: Asundi, Vinod

APPLICANT: Asundi, Vinod

APPLICANT: Asundi, Vinod

APPLICANT: Asundi, Vinod

APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aigong J.
APPLICANT: Yang, Yonghong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yunging
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pt_FL_genes Version 1.0
SEQ ID NO 13
LENGTH: 2042
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (141)...(1646)
US-09-620-312D-13

Query Match 1.7%; Score 52.8; DB 4; Length 2042;

Best Local Similarity 54.7%; Pred. No. 3.5e-05;
Matches 105; Conservative 0; Mismatches 87; Indels 0; Gaps 0;

QY 1414 GAGTGTAGTTATTGTGGAAAGTTTTTCGGTTCAAATTATTACCTCAATATTCATCTCAGA 1473

Db 948 GAATGCAGTGAATGTGGGAATCCTTCTGTAAAGTCAAAATTTATTATACATCAGAGG 1007

QY 1474 AGCATACAGTGAAAAACCATCAAAATGTGAATTTGTGAATATGCTGCAGCCCAAG 1533

Db 1008 ACTCACACAGGAGAGAAACCTTACGAATGTAATCAGTGTGGGAATCTTCTGCCAGAG 1067

QY 1534 ACATCTCTGAGGTATCACTTGGAGAGACATCAACAAGGAAAAACAAACCGATGTTCTGCT 1593

Db 1068 GGAACCTTACTGTGTCATCAGACACACACAGGGAGAGCCCTATGATGTAATGAA 1127

QY 1594 GAAGTCAAGAAC 1605

Db 1128 TGTGGGAAGAAC 1139

RESULT 12

US-09-976-594-898

Sequence 898, Application US/09976594

Patent No. 6673549

GENERAL INFORMATION:

APPLICANT: Furness, Michael

APPLICANT: Buchbinder, Jenny

TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS

FILE REFERENCE: PA-0041 US

CURRENT APPLICATION NUMBER: US/09/976,594

CURRENT FILING DATE: 2001-10-12

PRIOR APPLICATION NUMBER: 60/240,409

PRIOR FILING DATE: 2000-10-12

NUMBER OF SEQ ID NOS: 1143

SOFTWARE: PERL Program

SEQ ID NO 898

LENGTH: 1658

TYPE: DNA

```
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6673549 1082203.1
US-09-976-594-898

Query Match
Best Local Similarity 57.7%; Score 52.6; DB 4; Length 1658;
Matches 94; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

QY 1414 GAGTGTAGTATTGTGGAAAGTTTTCCGTTCAATTAATTAACCTCAATATTCATCTCAGA 1473
Db 568 GATTCTTCGAATGTGGAAAGGCTTTTCTCAGAAATCATCCCTCAATTATACATCAGAGA 627

QY 1474 AGCATACAGGTGAAACCAATACAAATGTCAATTTTGTGAATATGCTGCAGCCCAAG 1533
Db 628 GTTCACCTCTGGGGAACCAATATGAATGTAGTGAAGGCTTCTCCAGAA 687

QY 1534 ACATCTGTAGGTATCACTTGGAGAGACATCACAGGAAAC 1576
Db 688 TCACCCCTCATTTATACATCAGAGATACATCTCGGGAAGC 730

RESULT 13
US-09-016-434-1399
; Sequence 1399, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1399:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2582 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: 9487837
US-09-016-434-1399

Query Match
Best Local Similarity 53.7%; Score 52.2; DB 4; Length 2582;
Matches 91; Conservative 0; Mismatches 66; Indels 0; Gaps 0;

QY 1415 AGTGTAGTATTGTGGAAAGTTTTCCGTTCAATTAATTAACCTCAATATTCATCTCAGAA 1474
Db 263 AGTGTAAATGAATGTGGAAAGTCTTCTCTCAGAATGCTTACCTCAITGACCATCAGAGGC 322

QY 1475 CGCATACAGGTGAAACCAATACAAATGTCAATTTTGTGAATATGCTGCAGCCCAAGAA 1534
Db 323 TCCCAAGGGAAGAACCTTATAATGTAAGTGTGAGAAGCTTTCATTCTGAGA 382

QY 1535 CATCTGTAGGTATCACTTGGAGAGACATCACAGGAAACCAACCGATGTTGCTGCTG 1594
Db 383 AGAGCTCATTTCTGCACAGAGATCCACTCTGGGAAACCCCTATAAATGTGATGAAT 442

QY 1595 AAGTCAAGAACGATGGTAAAA 1615
Db 443 GTGGAAGACCTTTGCTCAGA 463

Matches 108; Conservative 0; Mismatches 93; Indels 0; Gaps 0;

QY 1415 AGTGTAGTATTGTGGAAAGTTTTCCGTTCAATTAATTAACCTCAATATTCATCTCAGAA 1474
Db 263 AGTGTAAATGAATGTGGAAAGTCTTCTCTCAGAATGCTTACCTCAITGACCATCAGAGGC 322

QY 1475 CGCATACAGGTGAAACCAATACAAATGTCAATTTTGTGAATATGCTGCAGCCCAAGAA 1534
Db 323 TCCCAAGGGAAGAACCTTATAATGTAAGTGTGAGAAGCTTTCATTCTGAGA 382

QY 1535 CATCTGTAGGTATCACTTGGAGAGACATCACAGGAAACCAACCGATGTTGCTGCTG 1594
Db 383 AGAGCTCATTTCTGCACAGAGATCCACTCTGGGAAACCCCTATAAATGTGATGAAT 442

QY 1595 AAGTCAAGAACGATGGTAAAA 1615
Db 443 GTGGAAGACCTTTGCTCAGA 463

RESULT 14
US-09-800-729-33
; Sequence 33, Application US/09800729
; Patent No. 6605592
; GENERAL INFORMATION:
; APPLICANT: Ni et al.
; TITLE OF INVENTION: 32 Human secreted proteins
; FILE REFERENCE: PZ044PI
; CURRENT APPLICATION NUMBER: US/09/800,729
; CURRENT FILING DATE: 2001-03-08
; PRIOR APPLICATION NUMBER: PCT/US00/26013
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/155,709
; PRIOR FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 217
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
; LENGTH: 2394
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-800-729-33

Query Match
Best Local Similarity 58.0%; Score 51.4; DB 4; Length 2394;
Matches 91; Conservative 0; Mismatches 66; Indels 0; Gaps 0;

QY 1417 TGTAGTATTGTGGAAAGTTTTCCGTTCAATTAATTAACCTCAATATTCATCTCAGAAAG 1476
Db 415 TGTAGTGAAGTGTGCAAAATGCTTCAGTAGAAGTACAAACCTCATAGAGGATCGAAGACT 474

QY 1477 CATACAGGTGAAACCAATACAAATGTGAATTTTGTGAATATGCTGCAGCCCAAGAGACA 1536
Db 475 CACACAGGTGGAACCAATTAAGTGTCTCGAGTGTGAAAAGCTTTTAGTGGGAATCA 534

QY 1537 TCTGTAGGTATCACTTGGAGAGACATCACAGGAAA 1573
Db 535 GATCTTATTAGCCACCAGAGAACTCACACTGGGGAAA 571

RESULT 15
US-09-016-434-1336
; Sequence 1336, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
```

COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/016,434
 FILING DATE: HERewith
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Zeller, Karen J.
 REGISTRATION NUMBER: 37,071
 REFERENCE/DOCKET NUMBER: PA-0002 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (650) 855-0555
 TELEFAX: (650) 845-4166
 INFORMATION FOR SEQ ID NO: 1336:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1629 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GENBANK
 CLONE: 9340443
 S-09-016-434-1336

Query Match 1.8%; Score 51; DB 4; Length 1629;
 Best Local Similarity 57.1%; Pred. No. 0.00011;
 Matches 93; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

y	1414	GAGTGTAGTTATTGTGGAAGTTTTTCCTTCAAAATTATTACCTCAATATTTCATCTCAGA	1473
b	691	GAATGCAGTCACTGTGGAAATCCCTTCACTAGNAGTCACAACTCCATGTGCATCAAGA	750
y	1474	ACGCATACAGTGAAGAAACCATACAAATGTGAATTTGTGAATATGCTGCCGCCAGAG	1533
b	751	ATTACACACCGGAGAAACCCCTATATATGTACAGAAATGTGGAAGGCTTTCACACAGG	810
y	1534	ACATCTCTGAGGTATCACTTGGAGAGACATCACAGGAAAAAC	1576
b	811	ACAACTCACCACATCAAGAAATCTACTTGGGGAAAAAC	853

Search completed: April 10, 2004, 21:33:57
 Job time : 240 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

M nucleic - nucleic search, using sw model

un on: April 10, 2004, 19:30:54 ; Search time 235 Seconds
7523.717 Million cell updates/sec
(without alignments)

file: US-08-892-695-10
effect score: 3186
sequence: 1 atgcaatcgaaagtgcacagg.....ggaaactacagtgtgtgtaa 3186

coring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

searched: 682709 seqs, 277475446 residues

total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/ptodata/2/ina/5A-COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5S-COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A-COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B-COMB.seq.*
5: /cgn2_6/ptodata/2/ina/6C-COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3043	95.5	5632	3	US-09-560-594-3
2	1108.6	34.8	1507	2	US-08-680-395-3
3	67.6	2.1	2765	4	US-09-620-312D-61
4	59.2	1.9	696	4	US-09-451-651-4
5	59.2	1.9	2920	4	US-09-620-312D-1084
6	56.8	1.8	936	4	US-09-016-434-312
7	55.2	1.7	2771	4	US-09-576-594-691
8	55	1.7	4272	4	US-09-620-312D-586
9	54.8	1.7	265	4	US-09-016-434-836
10	53	1.7	2412	4	US-09-620-312D-1023
11	52.8	1.7	2042	4	US-09-620-312D-13
12	52.6	1.7	1658	4	US-09-976-594-898
13	52.2	1.6	2582	4	US-09-016-434-1399
14	51.4	1.6	2394	4	US-09-800-729-33
15	51	1.6	1629	4	US-09-016-434-1336
16	51	1.6	2133	2	US-08-820-170A-11
17	51	1.6	2133	3	US-09-055-699-11
18	51	1.6	2133	3	US-09-273-565-11
19	51	1.6	2133	4	US-09-565-538-11
20	51	1.6	2133	4	US-09-861-468-11
21	51	1.6	2133	4	US-09-576-165-11
22	51	1.6	3186	4	US-09-016-434-1390
23	51	1.6	3754	2	US-08-820-170A-12
24	51	1.6	3754	3	US-09-055-699-12
25	51	1.6	3754	3	US-09-273-565-12
26	51	1.6	3754	4	US-09-565-538-12
27	51	1.6	3754	4	US-09-861-468-12

Sequence 12, Appl
Sequence 1050, Ap
Sequence 14, Appl
Sequence 200, App
Sequence 10, Appl
Sequence 1166, Ap
Sequence 1407, Ap
Sequence 1400, Ap
Sequence 163, Appl
Sequence 38, Appl
Sequence 811, Appl
Sequence 66, Appl
Sequence 1195, Ap
Sequence 799, App
Sequence 671, App
Sequence 1164, Ap
Sequence 1, Appli
Sequence 175, App

28 51 1.6 3754 4 US-09-976-165-12
29 50.4 1.6 2555 4 US-09-620-312D-1050
30 50.2 1.6 7218 1 US-08-232-463-14
31 50 1.6 247 4 US-09-016-434-200
32 49.6 1.6 945 1 US-08-253-155A-10
33 49.4 1.6 524 4 US-09-833-381-1166
34 49.4 1.6 1812 4 US-09-016-434-1407
35 49.2 1.5 1189 4 US-09-016-434-1400
36 49 1.5 2925 4 US-09-620-312D-163
37 49 1.5 128779 4 US-09-497-855A-38
38 48.8 1.5 636 4 US-09-833-381-811
39 48.4 1.5 2311 4 US-09-800-729-86
40 48.2 1.5 341 4 US-09-833-381-1195
41 48 1.5 246 4 US-09-016-434-798
42 48 1.5 366 4 US-09-016-434-671
43 47.8 1.5 471 4 US-09-833-381-1164
44 47.8 1.5 2666 4 US-09-881-578A-1
45 47.8 1.5 2779 4 US-09-976-594-175

ALIGNMENTS

RESULT 1
US-09-560-594-3
; Sequence 3, Application US/09560594
; Patent No. 6242590
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF ZINC FINGER PROTEIN-217 EXPRESSION
; FILE REFERENCE: RTS-0144
; CURRENT APPLICATION NUMBER: US/09/560,594
; CURRENT FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 3
; LENGTH: 5632
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (272)...(3418)
US-09-560-594-3

Query Match	95.5%	Score	3043	DB	3	Length	5632
Best Local Similarity	96.0%	Pred. No.	0				
Matches	3186	Conservative	0	Mismatches	0	Indels	133
Gaps	1						
QY	1	ATGCAATCGAAAGTGACAGGAAACATGCCAATCAATCCCTCTTAATGTACATGATGGG	60				
DB	272	ATGCAATCGAAAGTGACAGGAAACATGCCAATCAATCCCTCTTAATGTACATGATGGG	331				
QY	61	CCAGAAAGTCATTGGCAGCTCTCTTGGCAGTCGATGGAGATGGAGATGCTTGTCAATG	120				
DB	332	CCAGAAAGTCATTGGCAGCTCTCTTGGCAGTCGATGGAGATGGAGATGCTTGTCAATG	391				
QY	121	AAAGGACCGCTGTTGTTCCATTCGAGCTACACAGAAAAAATGTCAATCAATCGAG	180				
DB	392	AAAGGACCGCTGTTGTTCCATTCGAGCTACACAGAAAAAATGTCAATCAATCGAG	451				
QY	181	GGGTATATCCCTTGATTTGATGCTTTCGAGCCAGACCTTCACACATTCAGAGACCTT	240				
DB	452	GGGTATATCCCTTGATTTGATGCTTTCGAGCCAGACCTTCACACATTCAGAGACCTT	511				
QY	241	AATAAATCATGCTTAAATGCAACACCGGCTACCTCTGTGAACACAGAGTCTTCGGGTT	300				
DB	512	AATAAATCATGCTTAAATGCAACACCGGCTACCTCTGTGAACACAGAGTCTTCGGGTT	571				
QY	301	GAAGCAGATATCTAGTCCGCTTGTATAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA	360				
DB	572	GAAGCAGATATCTAGTCCGCTTGTATAAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGA	631				
QY	361	AAGAATTGCAAGAAAAATGAATTTAGCTGTGAGTATGTGGCAGACATTTAGTCTCCT	420				

Db 632 AAGAATTGCAAGGAAAAATGAATTTAGCTGTGAGTATGTGGGCAGACATTTAGAGTCGCT 691
2Y 421 TTTGATGTTGAGATCCACATGAGAACACACAAAGATTTCTTTACATTTACGGGTGAACATG 480
Db 692 TTTGATGTTGAGATCCACATGAGAACACACAAAGATTTCTTTACATTTACGGGTGAACATG 751
2Y 481 TGCAGAAAGAGATTCAAGGAGCCTTGTTTCTTTAAATAATCACATGCGGACACATAATGSC 540
Db 752 TGCAGAAAGAGATTCAAGGAGCCTTGTTTCTTTAAATAATCACATGCGGACACATAATGSC 811
2Y 541 AAATCGGGGGCCAGAAAGAACTGCAGCAAGCTTGGAGAGTAGTCCAGCAAGATCAAC 600
Db 812 AAATCGGGGGCCAGAAAGAACTGCAGCAAGCTTGGAGAGTAGTCCAGCAAGATCAAC 871
2Y 601 GAGGTGCTGTCAGGTGCACGGGGCCGAGAGCATCTCTCTCTTTACAAAATCTGCTGTT 660
Db 872 GAGGTGCTGTCAGGTGCACGGGGCCGAGAGCATCTCTCTCTTTACAAAATCTGCTGTT 931
2Y 661 TGTGGCTTCTTATTTCCAAATAAAGAAAGTCTAATTTGAGCACCGCAGAGTGCACACCAA 720
Db 932 TGTGGCTTCTTATTTCCAAATAAAGAAAGTCTAATTTGAGCACCGCAGAGTGCACACCAA 991
2Y 721 AAAACTGCTTTTCGTTACAGCAGCGCCGACAGACTCTCCACAGGAGGAATGCCGTCC 780
Db 992 AAAACTGCTTTTCGTTACAGCAGCGCCGACAGACTCTCCACAGGAGGAATGCCGTCC 1051
2Y 781 TCGAGGAGGACTTCTGTCAGTTGTTCAACTTGAGACCAAAATCTCACCTGAAACGGGG 840
Db 1052 TCGAGGAGGACTTCTGTCAGTTGTTCAACTTGAGACCAAAATCTCACCTGAAACGGGG 1111
2Y 841 AAGAGCGCTGTCAGATGATCCCTCAGTCGATCCGTTTACCACTTCCAGGCTTGGCAG 900
Db 1112 AAGAGCGCTGTCAGATGATCCCTCAGTCGATCCGTTTACCACTTCCAGGCTTGGCAG 1171
2Y 901 CTGGCTACCAAGGAAAAATGTCATTTGCCAAGAGTGAAGAAATCGGGGCAAGAGGG 960
Db 1172 CTGGCTACCAAGGAAAAATGTCATTTGCCAAGAGTGAAGAAATCGGGGCAAGAGGG 1231
2Y 961 AGCACGACACGACGATTCAGTTCCGAGAGGAGCTTCGAGAAACAAATAAGGCACT 1020
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Db 1292 TGTGAGGCGCTCTCGCAGAGAAAGAGAGTGCACCACTCCACCGCGAAGCGCCCTCC 1351
2Y 1081 GTGGACGGGATCCCAAGTTACCAAGTAGCAAGAGAGCCCACTCACTGCTCCGAGTGC 1140
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2Y 1201 CGGAGGGCGGGGAGTCCGCGACCATGTCGTGACGGGAGGACCGCGGAGCTGT 1260
Db 1472 CGGAGGGCGGGGAGTCCGCGACCATGTCGTGACGGGAGGACCGCGGAGCTGT 1531
2Y 1261 TCTCTGACCTCGCGCGCCCTCTGATGAAATGGAGCCGTGGATCGAGGGGAGGTGGT 1320
Db 1532 TCTCTGACCTCGCGCGCCCTCTGATGAAATGGAGCCGTGGATCGAGGGGAGGTGGT 1591
2Y 1321 TCTGAAGCGGATCTGAGATGGGCTTCCGAGAGGATCCATCTGGATATAAATGATGAT 1380
Db 1592 TCTGAAGCGGATCTGAGATGGGCTTCCGAGAGGATCCATCTGGATATAAATGATGAT 1651
2Y 1381 GGAGGAAAAATAAACATCTTACATCTTCAAGAGAGTGTAGTTATTTGGAAGTTTTTC 1440
Db 1652 GGAGGAAAAATAAACATCTTACATCTTCAAGAGAGTGTAGTTATTTGGAAGTTTTTC 1711
2Y 1441 CGTTCAATATTATCTCAATATTATCTCAAGAGCGCATACAGGTGAAAAACCATACAAA 1500
Db 1712 CGTTCAATATTATCTCAATATTATCTCAAGAGCGCATACAGGTGAAAAACCATACAAA 1771

QY 1501 TGTGAATTTTGTGAATATATCTGCAGCCCAAGAGACATCTCTGAGGTATCATCTTGAGAGA 1560
Db 1772 TGTGAATTTTGTGAATATATCTGCAGCCCAAGAGACATCTCTGAGGTATCATCTTGAGAGA 1831
2Y 1561 CATCAAGAGAAAAACAAACCGATGTTGCTGCTGAAGTCAAGAACGATGGTAAAAATCAG 1620
Db 1832 CATCAAGAGAAAAACAAACCGATGTTGCTGCTGAAGTCAAGAACGATGGTAAAAATCAG 1891
2Y 1621 GACACTGAAGATGCACTATTAAACCGCTGACAGTGGCGCAACCAAAAAATTTGAAAAAGATT 1680
Db 1892 GACACTGAAGATGCACTATTAAACCGCTGACAGTGGCGCAACCAAAAAATTTGAAAAAGATT 1951
2Y 1681 TTTGATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1740
Db 2011 TTTGATGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2011
2Y 1741 TCTGTTTTTTCAGAAATGTTCTGGGCGAGCTGCTCTCTCACCCAGCAGCACAAAAATACTCAG 1800
Db 2071 TCTGTTTTTTCAGAAATGTTCTGGGCGAGCTGCTCTCTCACCCAGCAGCACAAAAATACTCAG 2071
2Y 1801 GATTTCCATAAAAATGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1860
Db 2072 GATTTCCATAAAAATGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 2131
2Y 1861 GCTTACCTGACCTGTTAAAAAAGAGATCAGCAGTTGAAACTCAGGCAAAATAACCTCATC 1920
Db 2132 GCTTACCTGACCTGTTAAAAAAGAGATCAGCAGTTGAAACTCAGGCAAAATAACCTCATC 2191
2Y 1921 TGTAGAACCAAGCGGAGTGTACTCTCTCCGATGCGAGTACCACTCACTCACTCACTCACT 1980
Db 2251 TGTAGAACCAAGCGGAGTGTACTCTCTCCGATGCGAGTACCACTCACTCACTCACTCACT 2251
2Y 1981 GTTAGCCCCAAAGAGAGCAACCGAGAGCGGAGCTGACTGAGAGATACAGGCAAGTGTG 2040
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2Y 2041 GATTTGTCAGAAAAACCTTTTAAATTTATCCGTTGGGGGCTCTTCACAATTTGCCGGCAATT 2100
Db 2371 GATTTGTCAGAAAAACCTTTTAAATTTATCCGTTGGGGGCTCTTCACAATTTGCCGGCAATT 2371
2Y 2101 TCTTTGAGTAAAGTTTGAATTTCCAGATGATCAGCTGCTCACTTTTGTACCTTCAAGACATTT 2160
Db 2431 TCTTTGAGTAAAGTTTGAATTTCCAGATGATCAGCTGCTCACTTTTGTACCTTCAAGACATTT 2431
2Y 2161 TATCCAGAGTTTTTAATGATGCAACAGAGCTGAGATGATGATGATGATGATGATGATGAT 2220
Db 2491 TATCCAGAGTTTTTAATGATGCAACAGAGCTGAGATGATGATGATGATGATGATGATGAT 2491
2Y 2221 AAAAATGTCGAAACAGTCTTGTGCTTAGAGTCACTACCGGATGCCCGCAGCGTTG 2280
Db 2492 AAAAATGTCGAAACAGTCTTGTGCTTAGAGTCACTACCGGATGCCCGCAGCGTTG 2551
2Y 2281 CTGGAAAAAGATGTCCTCCCTCTCTAGTTTCTGTAAACCCCAAGCCCAAGTCTGCTTTTC 2340
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2Y 2341 CCGGCGAGTCCAAATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2400
Db 2671 CCGGCGAGTCCAAATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2671
2Y 2401 AAGCCCTCTGACTTTCAGGGATGACTCTAGCACTTTTAGCCCCCAAGTAACTGAAAGTCC 2460
Db 2672 AAGCCCTCTGACTTTCAGGGATGACTCTAGCACTTTTAGCCCCCAAGTAACTGAAAGTCC 2731
2Y 2461 CACAGACACAGAGAAATGTTGGGGTCCAAAGGGCGCCACAGGCAACAGCAATCTGAG 2520
Db 2732 CACAGACACAGAGAAATGTTGGGGTCCAAAGGGCGCCACAGGCAACAGCAATCTGAG 2791
2Y 2521 ATGTTTCTTAAACCAAGTGTTCCTCTGCAACCGGATGAGCAAAAAAGACCCCGAGACAAA 2580
Db 2792 ATGTTTCTTAAACCAAGTGTTCCTCTGCAACCGGATGAGCAAAAAAGACCCCGAGACAAA 2851

APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Zhang, Jie
APPLICANT: Ren, Feiyan
APPLICANT: Chen, Rui-hong
APPLICANT: Zhao, Qing A.
APPLICANT: Wehrman, Tom
APPLICANT: Xue, Aidong J.
APPLICANT: Yang, Jiong-hong
APPLICANT: Wang, Jian-Rui
APPLICANT: Zhou, Ping
APPLICANT: Ma, Yunding
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: John Tillinghast
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6569662el Nucleic Acids and
FILE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/09/620,312D
CURRENT FILING DATE: 2000-07-19
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1105
SOFTWARE: pt_FL_genes Version 1.0
SEQ ID NO 1084
LENGTH: 2920
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (87)..(1922)
S-09-620-312D-1084

Query Match 1.9%; Score 59.2; DB 4; Length 2920;
Best Local Similarity 58.5%; Pred. No. 5.2e-07;
Matches 103; Conservative 0; Mismatches 73; Indels 0; Gaps 0;
Y 1426 TGTGAAAGCTTTTCCGTTCAAATATTACCTCAATATTCTCAGAACGCATACAGGT 1485
b 1089 TGTGGAAGGCATTACCAATGTAAACAGCTGAAACGCATGTAAAGACTCATACAGGT 1148
Y 1486 GAAACACCATACAAATGTGAATTTTGTGAATATGCTGAGCCGAGAGACATCTCTGAGG 1545
c 1149 GAGAAGCCATACAAATGTGAATTTGTGATAAAGGATTGCTCAGAAATGTGAGTAGTC 1208
Y 1546 TATCACTGGAGAGACATCACAGGAAAAACAAACCGATGTTGCTGCTGAAGTCAA 1601
c 1209 TTCCATAGTCGATCGATCATGCTGGTGAAGAAAAACCTATAAATGTGATGTGCAA 1264

RESULT 6
S-09-016-434-312
Sequence 312, Application US/09016434
Patent No. 6500938
GENERAL INFORMATION:
APPLICANT: Janice Au-Young
APPLICANT: Jeffrey J. Seilhamer
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
NUMBER OF INVENTIONS: PATHWAY GENE EXPRESSION
NUMBER OF SEQUENCES: 1490
CORRESPONDENCE ADDRESS:
ADDRESS: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
CITY: PALO ALTO
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0002 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 312:
SEQUENCE CHARACTERISTICS:
LENGTH: 936 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: CARDNOT01
CLONE: 184111
US-09-016-434-312

Query Match 1.8%; Score 56.8; DB 4; Length 936;
Best Local Similarity 58.8%; Pred. No. 1.3e-06;
Matches 94; Conservative 0; Mismatches 66; Indels 0; Gaps 0;
QY 1417 TGTAGTTATTGTGGAAGTTTTCGGTTCAAATATTACCTCAATATTCTCAGAACG 1476
Db 101 TGTAAAGAAATGTGGAAAGTCCTTTCACAGAGAGGAAAAATCTTACTGTACATCAGAGAACT 160
QY 1477 CATCAGGTGAAAACCATACAAATGTGAATTTTGTGAATATGCTGAGCCGAGAGACA 1536
Db 161 CATCAGGGGAAGGCCCTATTATTGTGAATGANTGTGGAAATCTCTCTCCAGAGACA 220
QY 1537 TCTCTGAGGTATCACTTGGAGAGACATCACAGGAAAAAC 1576
Db 221 ACCCTTGTTCTCATGAGAAATCTATAATGAGGAGANAC 260

RESULT 7
US-09-976-594-691
Sequence 691, Application US/09976594
Patent No. 6673549
GENERAL INFORMATION:
APPLICANT: Furness, Michael
APPLICANT: Buchbinder, Jenny
TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
FILE REFERENCE: PA-0041 US
CURRENT APPLICATION NUMBER: US/09/976,594
CURRENT FILING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: 60/240,409
PRIOR FILING DATE: 2000-10-12
NUMBER OF SEQ ID NOS: 1143
SOFTWARE: PERL Program
SEQ ID NO 691
LENGTH: 2771
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. 6673549 1068290.1
NAME/KEY: unsure
LOCATION: 1624
OTHER INFORMATION: a, t, c, g, or other
US-09-976-594-691

Query Match 1.7%; Score 55.2; DB 4; Length 2771;

Best Local Similarity 53.0%; Pred. No. 8.1e-06;
Matches 140; Conservative 0; Mismatches 123; Indels 1; Gaps 1;
QY 1426 TGTGAAAGTTTTCGGTTCAATATTATTAATCAATATTCATCTCAGAACGCATACAGGT 1485
Db 1956 TGTGGAGGGCTTCAGTCAAGTTCGTAUCTTCAATCCATCAGAGGCCACACTGGA 2015
QY 1486 GAAAGACATCAATGATGAAATTTTGTGATATGCTGAGCCGAGAGACATCTCTGAGG 1545
Db 2016 GAAATCCATCCAAATGTGAAGACTGTGGCAGGGTTTCAATCAGAGCTCACACTTCAG 2075
QY 1546 TATCACTTGGAGAGACATCAAGAGGAAAAACAAACCGATGTGCTGCTGAAGTCAAGAAC 1605
Db 2076 ATTACACAGCTGATCCATACCGGTGAGAAACCATACAAATGTGAAGTGTGCAAGGA 2135
QY 1606 GATGTAAATTCAGGACACTGGAAGATGCACTATTAAACCGCTGACAGTGGGCAACAAA 1665
Db 2136 TTTAGTCGTAGACGAGA-TCTTAAATTCATGTAGGATCCACACAGGAGAGAAACCAT 2194
QY 1666 AATTTGAAAGATTTTGTGAGGT 1689
Db 2195 TAAATGTGAGGAGTGTGGGAAGGT 2218

RESULT 8
US-09-620-312D-586
; Sequence 586, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE OF INVENTION: Polypeptides
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 586
; LENGTH: 4272
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (309)...(1616)
US-09-620-312D-586

Query Match 1.7%; Score 55; DB 4; Length 4272;
Best Local Similarity 54.8%; Pred. No. 1.2e-05;
Matches 109; Conservative 0; Mismatches 90; Indels 0; Gaps 0;
QY 1417 TGTAGTTATTTGGAAAGTTTTCGGTTCAATATTATTAATCAATATTCATCTCAGAACG 1476
Db 1356 TGTAAATGATGTGGAAATTCCTCTGTGTGAAGTCAAAACCTCATTGTACATCAAGAACT 1415

QY 1477 CATACAGTGAAGAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCAGAGACA 1536
Db 1416 CACACTGGGAGAAACCATATAAGTGTAAATGTGGGAAACCTTCTGTGAAAAATCA 1475
QY 1537 TCTCTGAGGTATCACTTGGAGAGACATCACAAGGAAACCAACCGATGTCTGCTGAA 1596
Db 1476 GCTCTCACTAAACATCAGAGACTCACAGGGGAGAACCGGTATGATGTGAATGATGT 1535
QY 1597 GTCAAGAACGATGGTAAAA 1615
Db 1536 GGGAGAGACCTTTAGTCAGA 1554

RESULT 9
US-09-016-434-836
; Sequence 836, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Sellhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 836:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 265 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: MMLR3DT01
; CLONE: 568080
US-09-016-434-836

Query Match 1.7%; Score 54.8; DB 4; Length 265;
Best Local Similarity 58.6%; Pred. No. 2.3e-06;
Matches 95; Conservative 0; Mismatches 67; Indels 0; Gaps 0;
QY 1415 AGTGTAGTTATTTGGAAAGTTTTCGGTTCAATATTATTAATCAATATTCATCTCAGAA 1474
Db 17 AATGTAATGACTGTGAAAAAGTCTTCAGCCAGAGTTTCATCCCTTACTCTTCATCAAGAA 76
QY 1475 CGCATACAGTGAAGAAACCATACAAATGTGAATTTTGTGAATATGCTGCAGCCAGAGACA 1534
Db 77 TTTACTGTGAGAGAAACCTCTTAATATGATAGTGTGGAAGCCCTTCAGCCAGAGAT 136